

AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated hereafter.

1. (Currently amended) A white-light emitting device comprising a cyan LED and a phosphor composition positioned to receive light from said cyan LED, wherein the phosphor composition is a conformal coating disposed on a surface of the cyan LED, the coating being between about 15 micrometers and about 150 micrometers thick; and
wherein the phosphor composition is capable of absorbing light from said cyan LED and emitting red light.
2. (Canceled herein)
3. (Original) The light emitting device of claim 1, wherein the phosphor composition emits light having a wavelength in the range of about 600 to about 650 nm.
- 4.-5. (Canceled herein) The light emitting device of claim 1.
6. (Original) The light emitting device of claim 1, wherein the cyan LED is disposed in a recess formed in a substrate and the phosphor composition is disposed on a surface of the substrate, wherein the surface is reflective.
7. (Original) The light emitting device of claim 6, wherein the phosphor composition comprises a clear polymer matrix having phosphor particles suspended therein, the clear polymer matrix being disposed in said recess around the cyan LED.
8. (Original) The light emitting device of claim 1, wherein the phosphor composition is disposed on a surface of a lens positioned adjacent the cyan LED.
9. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a clear polymer matrix having phosphor particles suspended therein, wherein the clear polymer matrix is shaped as a lens, the clear polymer matrix being positioned to receive light from the cyan LED and to direct light from the light emitting device.

10. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises a material selected from SrS:Eu²⁺; CaS:Eu²⁺; CaS:Eu²⁺,Mn²⁺; (Zn,Cd)S:Ag⁺; Mg₄GeO_{5.5}F:Mn⁴⁺; and ZnS:Mn²⁺.

11. (Original) The light emitting device of claim 10, wherein the phosphor composition comprises a material selected from SrS:Eu²⁺; CaS:Eu²⁺.

12. (Original) The light emitting device of claim 10, wherein the phosphor composition comprises a material selected from CaS:Eu²⁺,Mn²⁺ and (Zn,Cd)S:Ag⁺.

13. (Original) The light emitting device of claim 10, wherein the phosphor composition comprises a material selected from Mg₄GeO_{5.5}F:Mn⁴⁺; and ZnS:Mn²⁺.

14. (Original) The light emitting device of claim 1, wherein the phosphor composition has a peak emission wavelength in the range of about 620 nm to about 650 nm.

15. (Original) The light emitting device of claim 1, wherein the phosphor composition has a peak emission wavelength in the range of about 600 nm to about 625 nm.

16. (Original) The light emitting device of claim 1, wherein the phosphor composition comprises phosphor particles having a mean particle diameter in the range of about 13 to about 20 micrometers.

17. (Newly added) A white-light emitting device comprising a cyan LED and a phosphor composition positioned to receive light from said cyan LED;

wherein the phosphor composition comprises a material selected from Mg₄GeO_{5.5}F:Mn⁴⁺; and ZnS:Mn²⁺; and

wherein the phosphor composition is capable of absorbing light from said cyan LED and emitting red light.

18. (Newly added) The light emitting device of claim 1, wherein the phosphor composition is deposited on the cyan LED via an electrophoretic process.

19. (Newly added) The light emitting device of claim 18, wherein the phosphor composition is a conformal coating disposed on a surface of the cyan LED, the coating being between about 15 micrometers and about 150 micrometers thick.

20. (Newly added) A white-light emitting device comprising a cyan LED and a phosphor composition positioned to receive light from said cyan LED;
wherein the phosphor composition comprises phosphor particles having a mean particle diameter in the range of about 13 to about 20 micrometers; and
wherein the phosphor composition is capable of absorbing light from said cyan LED and emitting red light.

21. (Newly added) The light emitting device of claim 1, wherein the phosphor composition is deposited on the cyan LED via an electrophoretic process.

22. (Newly added) The light emitting device of claim 21, wherein the phosphor composition comprises a material selected from SrS:Eu^{2+} ; CaS:Eu^{2+} ; $\text{CaS:Eu}^{2+},\text{Mn}^{2+}$; $(\text{Zn,Cd})\text{S:Ag}^+$; $\text{Mg}_4\text{GeO}_{5.5}\text{F:Mn}^{4+}$; and ZnS:Mn^2